

INTEGRATED SOLID WASTE MANAGEMENT

MASTER PLAN

PRELIMINARY SCOPE FRAMEWORK

OVERVIEW

The following presents an overall framework for developing a new Integrated Solid Waste Management Master Plan (“Master Plan”) for the City of Austin through a collaborative process involving city staff, the consultant team led by HDR Engineering, Inc. (HDR), and the Austin community. It outlines a planning process consisting of 8 key elements with the primary objective of developing a Master Plan that:

- Uses the City’s Zero Waste, Climate Protection, and other sustainability goals as its policy foundation.
- Establishes a cohesive framework for promoting and implementing programs to minimize environmental impacts and enhance resource conservation opportunities in the Solid Waste Services Department’s waste management programs.
- Serves as a business planning document to identify financial requirements, long-term financing options, regional waste shed challenges, facility requirements, and program requirements necessary to provide solid waste services to Austin’s growing population for the next 50 years.

Scope of Work

- 1. Public Input.** HDR, with assistance from City Staff, will engage the community to determine the public’s sentiment regarding its observations of existing programs/services, the need for new initiatives and/or facilities, and the willingness to pay for the new initiatives/facilities.
 - ☐ Town Hall Meetings
 - ☐ Charrettes
 - ☐ Webinars
 - ☐ Surveys
 - ☐ _____
- 2. Evaluate solid waste programs affecting Austin’s waste shed:**
 - ☐ Adequacy and competitiveness of private sector services in Austin
 - ☐ Services provided by the private sector and other municipalities or governmental entities within the region to determine affect on Austin’s waste shed
 - ☐ Evaluate managed competition for provision of services/programs and/or facilities

- ☐ Identify current and future needs
- ☐ Examine existing tools, models, and/ or case studies which foster development of partnerships
- ☐ _____

3. Evaluate Community Facilities Requirements:

- ☐ Material Recovery Facility (MRF)
- ☐ Construction and demolition waste recycling site(s)
- ☐ Composting facility(ies)
- ☐ Landfill and other disposal capacity requirements
- ☐ Transfer station requirements
- ☐ Household hazardous waste collection and facility requirements
- ☐ Commercial and industrial waste collection and disposal requirements
- ☐ _____

4. Evaluate City of Austin Operational Facilities Requirements:

- ☐ Parking
- ☐ Fueling facilities
- ☐ Vehicle and equipment maintenance
- ☐ Supervisor offices and employee facilities
- ☐ _____

5. Analyze Local and Regional growth impact to service area

- ☐ Recommend size and type of facilities
- ☐ Recommend size, quantity, and type of equipment needed
- ☐ _____

6. Evaluate carbon footprint baseline in coordination with the Austin Climate Protection Program and analyze impacts from proposed changes to:

- ☐ Air quality standards
- ☐ Fuel costs
- ☐ Equipment costs
- ☐ Traffic congestion
- ☐ _____

7. Evaluate private sector and other governmental entities current and emerging or planned services/programs

- ☐ Recommend public/private partnerships, partnerships with other governmental entities in the region, and/or direct City service provision
- ☐ Recommend cost-effective methods of incentivizing or requiring the adoption of Zero Waste goals by private sector services, or other governmental entities
- ☐ Evaluate and recommend reclaimed and recycled materials market for:
 - Establishment and growth of local businesses
 - Materials used for manufacturing new products
 - Methods to promote use in construction
 - _____
- ☐ _____

8. Sustainable Design

- ☐ Incorporate the United States Green Building Council's (USGBC) Leadership in Energy and Environmental Design (LEEDTM) for all proposed facilities by Council Resolutions.
- ☐ _____

Final Master Plan

The final Master Plan will provide a Capital Improvement Program; a new facilities implementation schedule, including types of facilities being recommended, locations, capital improvement estimates, and operating costs; a funding plan, including potential funding sources and an affordable project sequence; tools and training for continued in-house Master Plan updating.